

WHAT IS CLAIMED IS:

1. An optical fiber cable comprising:

two or more optical fibers and a partitioning spacer
housed in a space encircled by a sheath;

5 the partitioning spacer including an axial portion
and a plurality of partitioning plate portions;

the partitioning spacer having a sectional shape
that the partitioning plate portions radially extend
toward an inner circumferential surface of the sheath
10 from the axial portion; and

each of the partitioning plate portions having a
leading end provided with an enlarged portion in contact
with the inner circumferential surface of the sheath and
a connecting portion connecting the enlarged portion to
15 the axial portion;

wherein the space encircled by the sheath is divided
into a plurality of partitioned slots by the partitioning
plate portions, and the respective optical fibers are
distributed so that two or more optical fibers are not
20 provided in a single partitioned slot.

2. The optical fiber cable according to Claim 1,
wherein at least one tension member is provided in a
partitioned slot without an optical fiber provided
therein.

25 3. The optical fiber cable according to Claim 1,
wherein at least one selected from the group consisting
of a power line and an information transmission line is

SUB
a12
cont.

2007-03-20 10:00

[illegible]

5

10

15

20

25

8. The optical fiber cable according to Claim 6,
wherein at least one selected from the group consisting
of a power line and an information transmission line is

[illegible]

5

10

15

20

25

25

15. The optical fiber cable according to Claim 14,
wherein the sheath is made of thermoplastic resin, and
the thermoplastic resin is one selected from soft vinyl

chloride, chlorinated polyethylene and soft polyethylene.

¹⁶
15. A method for preparing an optical fiber cable defined in Claim 1, comprising distributing the optical fibers in the partitioning spacer, and then forming the sheath by thermoplastic resin extruded from a resin extruder.

¹⁷
16. The method for preparing an optical fiber cable according to Claim 16, further comprising heat-treating the partitioning spacer under a thermal environment at 70
10 - 90°C before preparation of the optical fiber cable.

SUB
212
CANCELED.

Rule
1.126

2007553.034003